



PROAVES
C · O · L · O · M · B · I · A

www.proaves.org



Esfuerzos de conservación de la Reinita Cerúlea (*Dendroica cerulea*) en Colombia.

Conservation efforts for the Cerulean Warbler (*Dendroica cerulea*) in Colombia

Fundación ProAves MARIA ISABEL MORENO PAUL SALAMAN ALONSO QUEVEDO DAVID CARO	Cerulean Warbler Summit 2: The Development and Implementation of Conservation Actions February 13-15, 2007	
 PROAVES C O L O M B I A	 AMERICAN BIRD CONSERVANCY	 Cerulean Warbler Technical Group

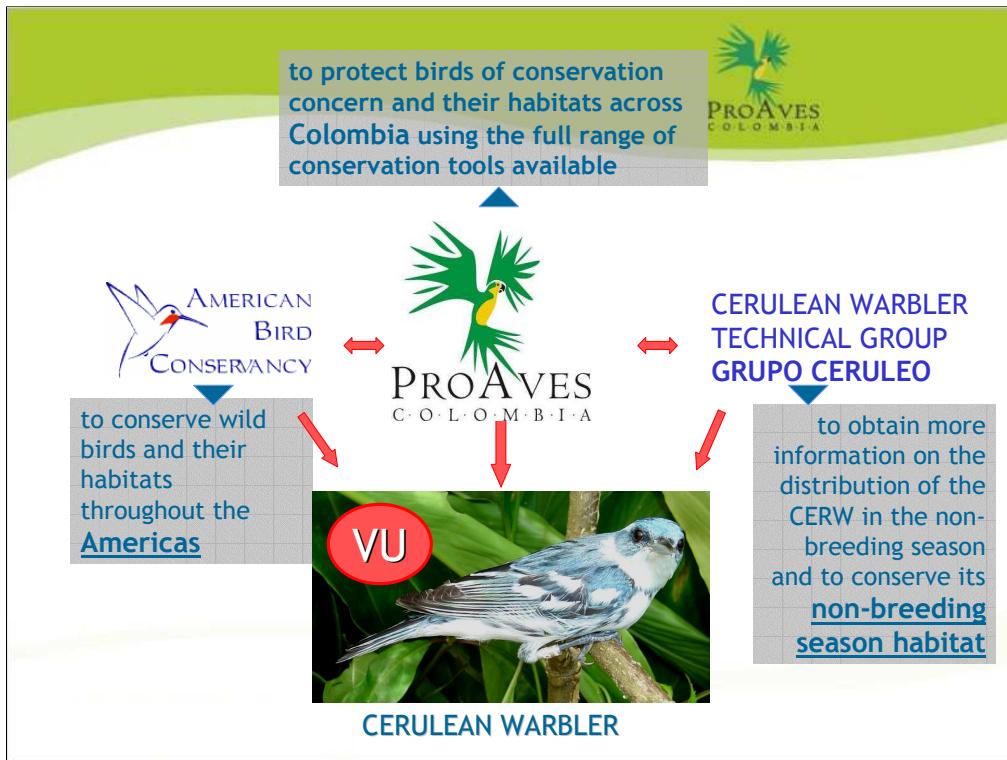
Good AFTERNoON

My name is David Caro and I represent the ProAves Foundation from Colombia

The following presentation shows the precise efforts of Conservation of *dendroica cerulea*.

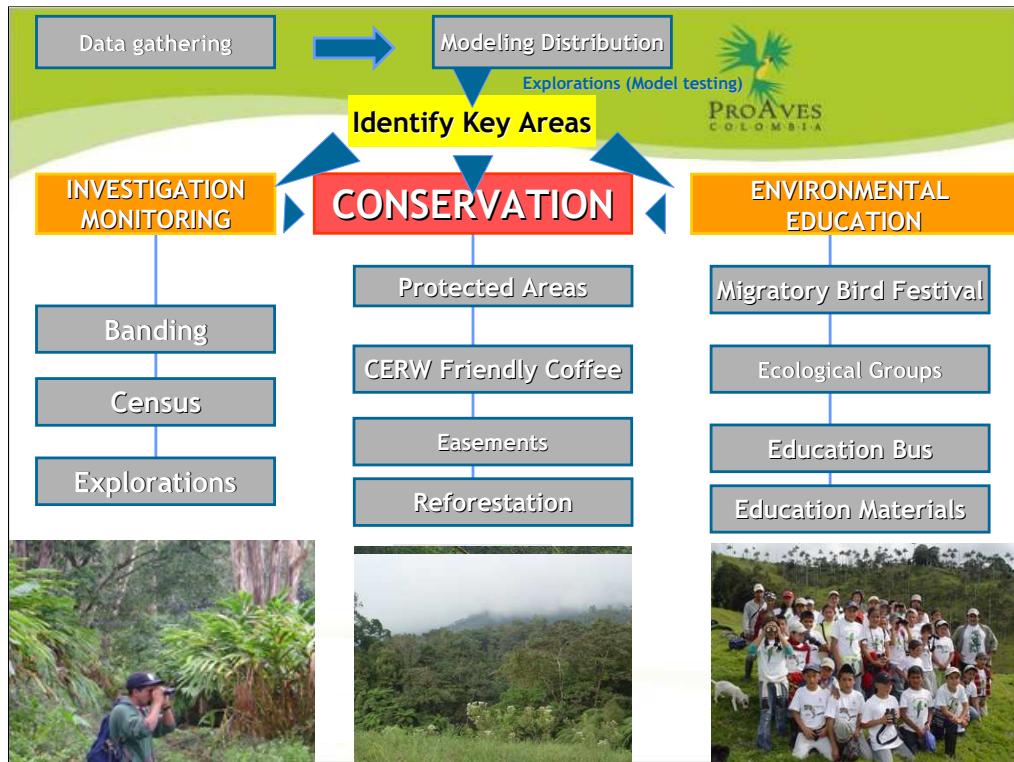
The foundation generates information of migratory birds from 2003 and it's distributed through a large extent of the national territory.

1. Mi nombre es David Caro y represento a la Fundación ProAves de Colombia
2. la siguiente presentación demuestra los esfuerzos puntuales de Conservacion de la especie
- 3 la fundacion genera información de aves migratorias desde el año 2003 y esta distribuida en gran parte del territorio nacional.



- The Proaves foundation has as goal to protect the wild birds and their habitat in Colombia including migratory birds.
- For efforts of investigation and conservation is very important to work as a team with organizations like the ABC and the cerulean warbler technical group.
- Right now, ProAves wants to collaborate with information, equipment of investigation and technical support, for any national or international institution with the purpose of conserve this specie.

4. La fundacion proaves tiene como objeto proteger las aves silvestres y sus habitat en Colombia incluyendo aves migratorias
5. para enfocar esfuerzos de investigacion y conservacion es muy importante el trabajo en equipo con organizaciones como ABC y el cerulean warbler technical group
6. Actualmente ProAves tiene la intension de colaborar con informacion, equipos de investigacion y apoyo tecnico, para



-ProAves has as strategy, to generate precise actions of conservation, the identification of key areas through the compilation of information and modeling considering the remaining habitat, physical patterns and climatic patterns.

-In the key areas that have been identified, we work on 3 fundamental lines

-First, The monitoring. captures with mist nets and banding of individuals are made, observations using transects with 20 observation points, and additionally explorations where perhaps the species exist are made.

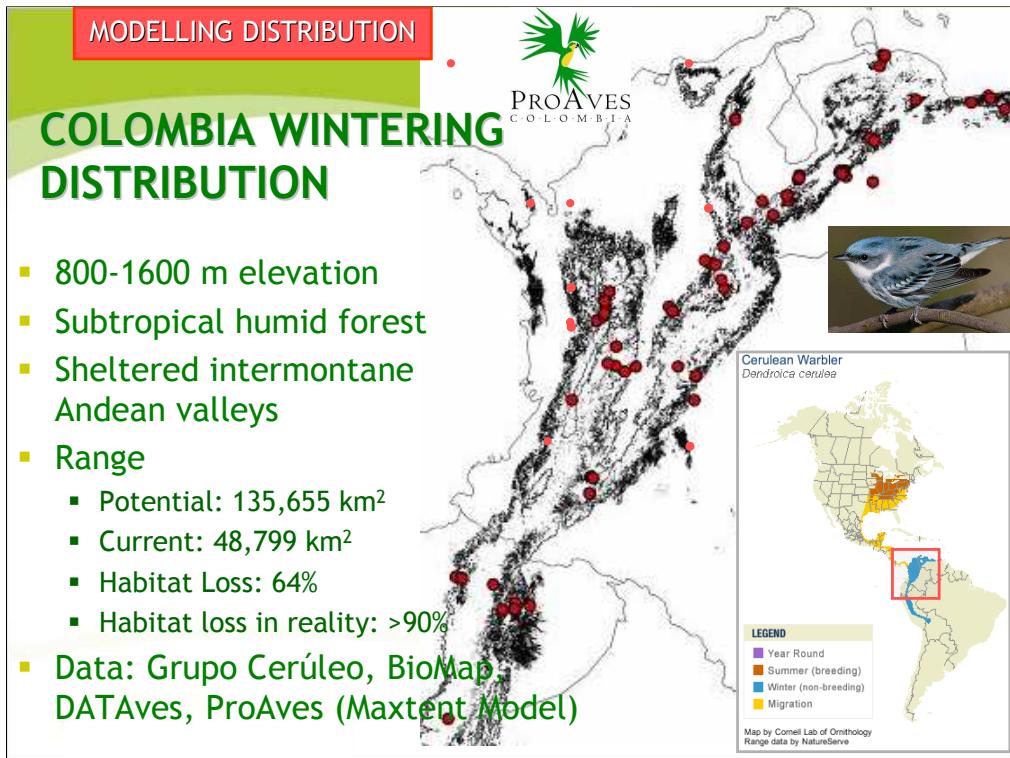
-Second, Conservation, has like component the establishment of protected areas, the development of coffee with shade of conservation of cerulean warbler, the ecological easements in private areas with importance for the conservation, and the reforestation of plants used by cerulea.

-Third, The environmental education, has the annual festival of migratory birds, the establishment of ecological groups with youth people in the monitoring areas, the education bus crosses urban sites and rural sites, and the delivery of diverse educational materials in the influence areas.



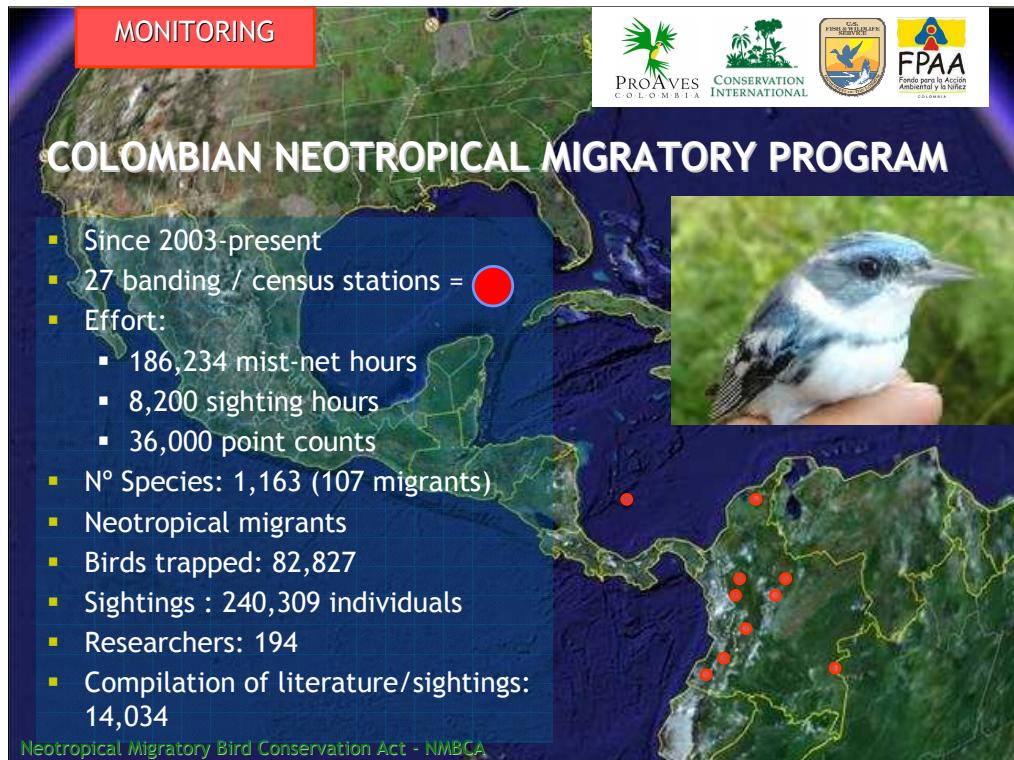
INVESTIGATION MONITORING

www.proaves.org



- According to the made model, has been considered that the original habitat of the species has been lost from the 64% to 90%.
- The greatest concentrations of remain habitat are in the west slope of west mountains. North of central mountains and west of the East mountains until the upper valley of magdalena.
- The historical and recent registries of the species in red points agree with these sites.

12. Según el modelo realizado se ha estimado que el habitat original de la especie se ha perdido en un 64%.
13. Las mayores concentraciones de hábitat remanente estan presentes en la vertiente occidental de la cordillera occidental. Norte de la cordillera central y vertiente occidental de la cordillera oriental hasta el alto valle del magdalena.
15. Los registros históricos y recientes de la especie en puntos rojos coinciden con estos sitios.



-Since 2003 ProAves makes the monitoring program of migratory birds in 27 stations of monitoring in strategic points of biodiversity in Colombia.

-The effort of sampling until today counts on 186,000 mist-net per hour, 8200 hours of observation and 36000 points of count

-More than 1000 species have been identified, which 107 are migratory birds

-82,000 individuals have been captured and banded with rings and 240,000 individuals have been observed

-This information is possible thanks to the effort of 194 people.

16. Desde el año 2003 ProAves realiza el programa de monitoreo de aves migratorias realizado en 27 estaciones de monitoreo en puntos de biodiversidad estratégicos en Colombia.

17. El esfuerzo de muestreo a la fecha cuenta con 186.000 mist-net por hora, 8200 horas de observación y 36000 puntos de conteo.

18. Se han identificado más de 1000 especies, de las cuales 107 son aves migratorias.

19. Se han capturado y anillado 82.000 individuos y se ha realizado observaciones de mas de 240.000 individuos

20. Esta información es posible gracias al esfuerzo de 194 personas.



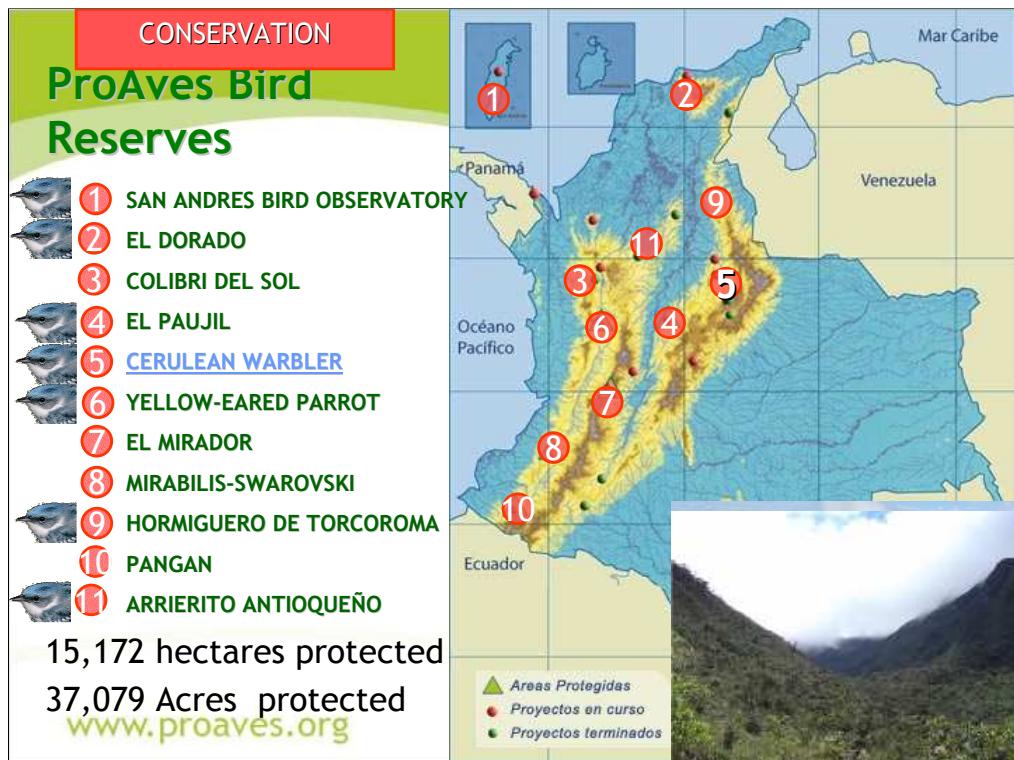
21. According to the generated information, three important areas where the species exists were obtained, during three years captures and recaptures have been made in these sites
22. The individuals were found between 900 and 1450 meters of elevation.
23. Most of registries were in fragmented forests and plantations, but its necessary to think that the elevation of the species is restricted to heights where the forest is seriously fragmented.
24. We propose three key areas for monitoring and conservation, the southwest of antioquia, Serranía of the Yariguies and magdalena watershed valley
25. As a recent registry we have an observation made last January 15 of 2007 in the natural national park Las orquídeas in primary forest.
26. By recent reports we recommend to make more explorations in the western flank of the western mountains, according to the recommended by the model.

21. Según la información generada, se obtuvo tres áreas importantes donde existe presencia de la especie, durante tres años se ha realizado capturas y recapturas en estos sitios
22. La detección de individuos fue realizada entre los 900 y 1450 metros de elevación.
23. A pesar de la mayoría de registros en bosques fragmentados y plantaciones es necesario pensar que la elevación de la especie está



CONSERVATION

www.proaves.org



27. For conservation efforts, since 2002 ProAves foundation has established 11 reserves of birds, with the purpose of protect in a future all the present birds in Colombia, until today 60% of the national birds have been registered, almost 1063 species are in the reserves.

28. Almost 37000 Acres of Andean habitat have been protected.

29. Cerulean warbler has had significant presence in 7 of these reserves.

27. Para esfuerzos de conservación, Desde el año 2002 la fundación ProAves ha establecido 11 reservas de aves, con la intención de proteger en un futuro todas las aves presentes en Colombia, hasta el presente se tiene registrado el 60% de la avifauna nacional, casi 1063 especies se encuentran en las reservas.

28. Casi 37000 Acres de hábitat andino han sido protegidos.

29. Cerulean warbler ha tenido presencia significativa en 7 de estas reservas.

CONSERVATION

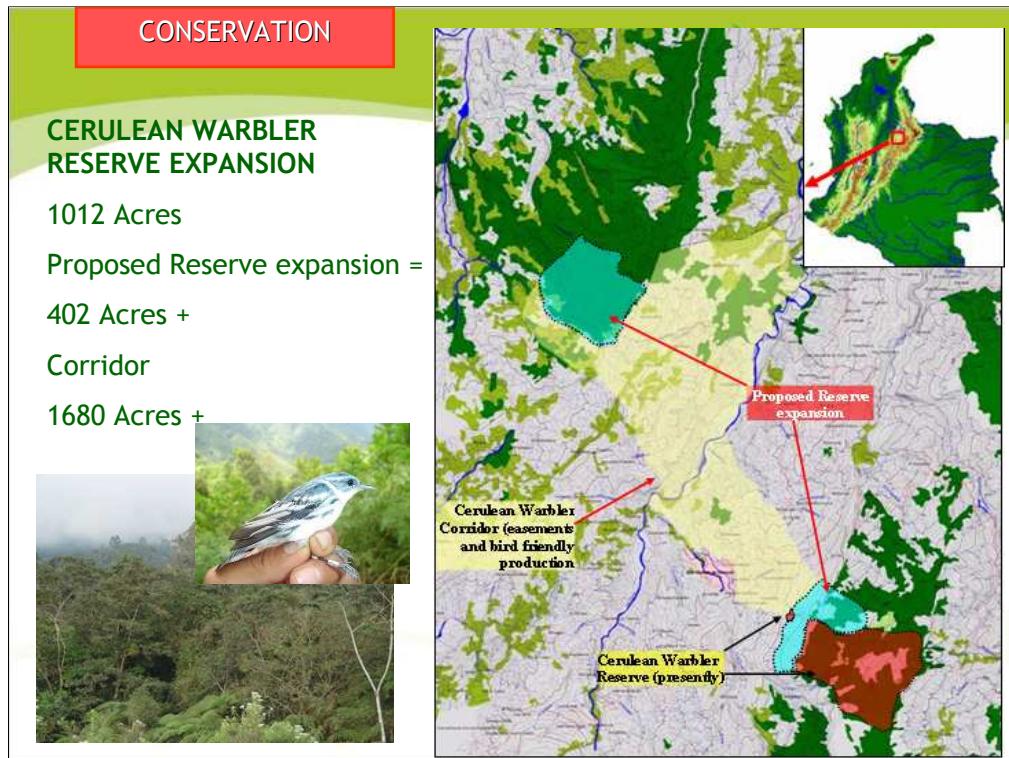
CERULEAN WARBLER BIRD RESERVE

- First Latin American Reserve designated for Neotropical migrants
- Protects key site of 1012 acres of native forest
- 30 acres of coffee shade plantation acquired to sustain reserve
- Surrounded by shade coffee and cocoa plantations
- Cerulean Warbler flagship species!!



30. Cerulean warbler bird Reserve is the first emblematic area protected focused in the protection and monitoring of a migratory bird, it has primary forest and its external areas with coffee plantations and cacao with shade.

30. Cerulean warbler bird Reserve es la primera área protegida emblemática enfocada en la protección y monitoreo de un ave migratoria, cuenta con bosque primario y sus áreas externas con plantaciones de café y cacao con sombrío.



31. For 2007 we have good news, the possible expansion of the cerulean warbler bird reserve, and the establishment of a protected area to the north, increasing 402 Acres
32. For this place, recent observations of cerulean warbler have been obtained.
33. We also are thinking about making a corridor that connects the two areas with production of coffee and cacao friend of the birds

31. Para el 2007 tenemos una buena noticia, la posible expansión de la cerulean warbler bird reserve, y el establecimiento de un área protegida al norte aumentando 402 Acres.
32. Para éste sitio se han obtenido observaciones recientes de la cerulean warbler.
33. A su vez se piensa realizar un corredor que conecte las dos áreas con producción cafetera y cacao amiga de las aves.

CONSERVATION

CERULEAN WARBLER CONSERVATION COFFEE

- Specialist coffee to encourage growers to protect shade coffee

Cerulean Warbler depend on shade coffee plantations in Central Colombia during the winter months. By buying shade coffee, you help to ensure that these birds have a place to live. As it is in coffee price fluctuates and price drops, we have created a conservation coffee purchasing fee protection coffee today you are helping to ensure that the coffee is produced sustainably, and preserving habitat for the Cerulean Warbler and other migratory birds in Central America, Mexico and Canada.

ABC's Cerulean Warbler Conservation coffee is shade grown coffee from the Antioquia southwest and Yariguies departments of Colombia. It is a 100% arabica coffee, with a smooth, rounded flavor. It is a single origin coffee, which means it is from one specific region. It is a medium roast coffee, which means it has a balanced flavor profile. It is a 100% organic coffee, which means it is grown without the use of synthetic fertilizers or pesticides. It is a 100% Fair Trade coffee, which means it is produced under fair labor conditions. It is a 100% Rainforest Alliance certified coffee, which means it is produced under sustainable agricultural practices.

Save the Cerulean Warbler!

Buy ABC's Cerulean Warbler Conservation Coffee Today

American Bird Conservancy is a leading bird and nature organization that was once a common sight in the forests of the eastern United States, but has been vanishing at an alarming rate in recent decades. Each fall the Cerulean Warbler makes a 3,000 mile migration across the Caribbean to sheltered mountain valleys in northern South America, where it nests in dense forest and surrounding shade coffee plantations.

The Cerulean Warbler is a leaflet like most warblers that was once a common sight in the forests of the eastern United States, but has been vanishing at an alarming rate in recent decades. Each fall the Cerulean Warbler makes a 3,000 mile migration across the Caribbean to sheltered mountain valleys in northern South America, where it nests in dense forest and surrounding shade coffee plantations.

Sandy, a 100% Roast to order coffee, is produced in Colombia and shipped directly to our store or one of these traditional plantations. Your purchase of this premium coffee will help ABC's partner group, Proaves Colombia, protect natural habitats and the cultural heritage of the region, and continue to ensure a warm winter welcome for the Cerulean Warbler.

To find out more, and to further support work to protect the Cerulean Warbler, please visit: www.abcbirds.org.

AMERICAN BIRD CONSERVANCY **American Bird Conservancy** **PROAVES COLOMBIA**

Thanksgiving Coffee Company, P.O. Box 14, Fort Bragg, CA 95437
www.thanksgivingcoffee.com

- we became closer to the coffee producers in the Antioquia southwest and yariguies department of Santander and through round tables, the benefit of coffee plantations with shade for migratory birds and for the cerulean warbler was demonstrated.
- We expanded the work to 45 coffee producers of the Antioquia southwest
- And now conservation coffee cerulean warbler has been produced, the thanksgiving Coffee Company, California approves the quality of the Coffee and now a percentage of sales is for the maintenance of the reserves and species investigation.

Rain Forest Alliance¹ y UTZ Kapeh²

bca



ENVIRONMENTAL EDUCATION

www.proaves.org

ENVIRONMENTAL EDUCATION

MIGRATORY BIRD FESTIVAL

- 1-31 October each year
- Operating since 2004
- 12,291 people in 2005
- 18,511 people in 2006:
Expanded to Ecuador, Peru and Bolivia



37. The development of the festival of migratory birds is a tool to remember the importance of the migratory birds in Colombia, is made in 9 departments of the national territory in the month of October
 38. activities like round tables, customs parties, delivery of materials, painting contests and trips of birds observation are involve
-
- El desarrollo del festival de aves migratorias es una herramienta para recordar la importancia de las aves migratorias en Colombia, es realizado en 9 departamentos del territorio nacional en el mes de octubre
 - las actividades involucran actividades como talleres, disfraces, entrega de materiales, concursos de pintura y salidas de observación de aves

"Amigo de las Aves" Ecological Groups

- >3000 members
- 7 field environ. education staff
- Frequent activities
- More than 70.000 resources and materials
- 12 Departments of Colombia

www.proaves.org



39. The ecological groups were created from 2004 with the intention that the children became the people who will protect the birds in Colombia in a future

40. Their members are dispersed in areas where monitoring is made and they support the investigation workings constantly.

41. Some registries where cerulean is presented were identified by members of the group.

39. Los grupos ecológicos fueron creados desde el 2004 con la intención de formar niños que sean los futuros protectores de aves en Colombia.

40. Sus miembros están dispersos en áreas donde se realiza monitoreo y apoyan constantemente las labores de investigación.

41. Algunos registros donde se presenta cerúlea fueron identificados por miembros del grupo.

FUTURE STEPS

You can help!

- Please buy CERW coffee NOW !!
www.abcbirds.org
- Visit our Cerulean Warbler Reserve!
- Report sightings
www.proaves.org/SisOS/login.php
www.ebird.org
- Other activities:
 - Identify shade coffee characteristics
 - Locate new key sites for CERW
 - Develop Ecotourism in coffee zone
 - Promote CERW Conservation Coffee
 - **Funding for MORE CONSERVATION!!!**



Introducing Priority Migrant eBird

Priority Migrant eBird is a NEW project that collects non-breeding season distribution for long-distance migratory species that have experienced precipitous population declines outside of their breeding grounds. This information will be used to plan effective conservation and restoration strategies for the following target species:

Cerulean Warbler (*Dendroica cerulea*)
Golden-winged Warbler (*Verdinigris chrysopogon*)
Blue-winged Warbler (*Vireo gilvus*)
Canada Warbler (*Wilsonia canadensis*)
Olive-sided Flycatcher (*Contopus cooperi*)



Priority Migrant eBird was conceived by the international committees of the Golden-winged Warbler Working Group (Allison J. Dickey) and the Cerulean Warbler Technical Group (El Grapo Cervales).

NEW eBird data features for:

- habitat and elevation
- age and sex information

WE NEED YOUR HELP!

to gather critical data on the five target species.

For more information and to submit observations visit

www.ebird.org/primig/





THANK YOU!
GRACIAS!



David Caro
dcaro@proaves.org
Fundación ProAves
Carrera 20 N° 36-61, Bogotá
COLOMBIA



www.proaves.org



1995 y 1998 se registraron 33 **huracanes** (sumando los registrados en el Atlántico, Mar **Caribe** y Golfo de México